

Notice of Allowability

Application No.

10/826,723

Examiner

OMAR ABDUL-ALI

Applicant(s)

KREBS, ANDREAS S.

Art Unit

2178

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the interview conducted 12/08/2008.
2. ☒ The allowed claim(s) is/are 1,6,7,9,14,15,17,22,23,25,30,31,33 and 36-39.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20081208.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Aaron Grunberger on 12/08/2008. The application has been amended as follows:

1. (Currently Amended) A method of managing visibility of GUI components in an application comprising:

providing a user interface of a visibility manager for selection, for each of a plurality of profiles, of one of a plurality of visibility states for each of at least a subset of the GUI components; and

for displaying a user interface screen of the application according to an applied one of the plurality of profiles:

initializing the application, wherein the initializing includes:

starting the application; and

building the user interface screen of the application with all of the GUI components set as visible;

invoking the visibility manager to:

determine, based on the selected visibility states of the applied profile, which of the GUI components of the built user interface screen are to be set as

not visible; and

prior to any display of the built user interface screen, revise the built user interface screen based on the determination; and
displaying the revised user interface screen of the application;

invoking the visibility manager by:

reading the plurality of profiles,

processing the plurality of profiles,

reading and processing a user configuration based on the plurality of profiles, and

activating the applied profile by:

selecting an identification of a particular GUI component,

locating the identification in a mapping table,

checking a state of the particular GUT component,

comparing the state to the applied profile

changing the state if not in agreement with the applied profile, and

repeating locating the identification, checking the state of the particular GUI component, comparing the state and changing the state for any remaining additional identifications of additional GUI components.

Claim 6: (Currently Amended) The method as recited in claim 1 [[5]] wherein the state is visible or not visible.

Claim 7: (Currently Amended) The method as recited in claim 1 [[5]] wherein the mapping table comprises a plurality of identifications of GUI components and a corresponding plurality of references to objects of an object-oriented and platform independent programming language.

Claim 8: (Cancelled)

Claim 9: (Currently Amended) A system for managing visibility of GUI components in an application comprising:

- a processor configured to provide:

- a user interface module of the application;

- a visibility manager; and

- a user interface of the visibility manager via which to receive, for one or more profiles, input of respective selections of visibility states of at least a subset of the GUI components;

- wherein, for display of a single user interface screen of the application according to an applied one of the profiles:

- the user interface module of the application is configured to initially build the user interface screen with all of the GUT components set as visible

and subsequently call the visibility manager;

the visibility manager is configured to, in response to the call:

determine, based on the selected visibility states of the at least a subset of the GUI components, which of the GUI components of the built user interface screen are to be set as not visible;

revise the built user interface screen based on the determination, the built user interface screen not being displayed prior to the revision; and

provide the revised user interface screen to the user interface module; and

the user interface module is configured to display the revised user interface screen;

invoking the visibility manager by:

reading the plurality of profiles,

processing the plurality of profiles,

reading and processing a user configuration based on the plurality of

profiles, and

activating the applied profile by:

selecting an identification of a particular GUI component,

locating the identification in a mapping table,

checking a state of the particular GUT component,

comparing the state to the applied profile

changing the state if not in agreement with the applied profile, and
repeating locating the identification, checking the state of the particular
GUI component, comparing the state and changing the state for any remaining
additional identifications of additional GUI components.

Claims 10-13: (Cancelled)

Claim 14: The system as recited in claim 9 [[12]] wherein the state is visible or not visible.

Claim 15: The system as recited in claim 9 [[12]] wherein the mapping table comprises a plurality of identifications of GUI components and a corresponding plurality of references to objects of an object-oriented and platform independent programming language.

Claim 16: (Cancelled)

Claim 17: (Currently Amended) A system comprising:
a processor configured to:

use a visibility manager data structure in managing visibility of GUI components in a single user interface screen of an application, the visibility manager data structure comprising a mapping table, one or more profiles and a user

configuration identifying which of the one or more profiles is to be applied;

provide a user interface of a visibility manager via which to receive for the one or more profiles input of respective selections of visibility states of at least a subset of the GUI components; and

display the user interface screen of the application according to an applied one of the profiles using the application and the visibility manager, the displaying of the user interface screen including:

the application building the user interface screen of the application with all of the GUI components set as visible and subsequently calling the visibility manager;

the visibility manager, responsive to the calling:

determining, based on the selected visibility states of the applied profile, which of the GUI components of the built interface screen are to be set as not visible; and

prior to any display of the built user interface screen, revising the built user interface screen based on the determination; and the application displaying the revised user interface screen of the application.

invoking the visibility manager by:

reading the one or more profiles upon initialization of the application,

processing the plurality of profiles,

reading and processing a user configuration based on the plurality of profiles, and
activating the applied profile by:
selecting an identification of a particular GUI component,
locating the identification in a mapping table,
checking a state of the particular GUI component,
comparing the state to the applied profile
changing the state if not in agreement with the applied profile, and
repeating locating the identification, checking the state of the
particular GUI component, comparing the state and changing the state for
any remaining additional identifications of additional GUI components.

Claims 18-21: (Canceled).

Claim 22: (Currently Amended) The system as recited in claim 17 [[21]] wherein the state is visible or not visible.

Claim 23: The system as recited in claim 17 wherein the mapping table comprises a plurality of identifications of GUI components and a corresponding plurality of references to objects of an object-oriented and platform independent programming language.

Claim 24: (Cancelled)

25. (Currently Amended) A hardware-implemented computer-readable medium embodying instructions, which, when executed by a processor, cause the processor to perform a method, the method comprising:

providing a user interface of a visibility manager via which to receive, for one or more profiles, input of respective selections of visibility states of at least a subset of GUI components; and

for displaying a user interface screen of the application according to an applied one of the plurality of profiles:

initializing an application, wherein the initializing includes:

starting the application; and

building the user interface screen of the application with all of the GUI components set as visible;

invoking a visibility manager to:

determine, based on the selected visibility states of the applied profile, which of the GUI components of the built user interface screen are to be set as not visible; and

prior to any display of the built user interface screen, revise the built user interface screen based on the determination; and
displaying the revised user interface screen of the application.

invoking the visibility manager by:
reading the one or more profiles,
processing the one or more profiles,
reading and processing a user configuration based on the one or
more profiles, and
activating a particular profile of the one or more profiles by:
selecting an identification of a particular GUI component,
locating the identification in a mapping table,
checking a state of the particular GUI component,
changing the state if not in agreement with the particular profile of
the one or more profiles, and
repeating locating the identification, checking the state of the
particular GUI component, comparing the state and changing the state for
any remaining additional identifications of additional GUI components.

Claims 26-29: (Cancelled)

Claim 30 (Currently Amended): The medium as recited in claim 25 [[28]] wherein the state is visible or not visible.

Claim 31 (Currently Amended): The medium as recited in claim 25 [[28]] wherein the mapping table comprises a plurality of identifications of GUI components and a

corresponding plurality of references to objects of an object-oriented and platform independent programming language.

Claim 32 (Cancelled)

33. (Currently Amended) A system for managing visibility of GUI components in an application, the system implemented via hardware components including a processor, comprising:

first means for interfacing with a user, the means for interfacing providing the GUI components for display; and

means for determining which GUI components are visible, the means for determining including second means for interfacing with a user, the second means for interfacing providing for receipt, for one or more profiles, of respective user selections of visibility states of at least a subset of the GUI components;

wherein, for display of a user interface screen of the application according to an applied one of the profiles:

the first means for interfacing is configured to initially build the user interface with all of the GUI components set as visible and subsequently call the means for determining;

the means for determining is configured to, in response to the call:

determine, based on the selected visibility states of the at least a subset of the GUI components, which of the GUI components of the built user interface screen are to be set as not visible;

prior to any display of the built user interface screen, revise the built user interface screen based on the determination; and

provide the revised user interface screen to the user interface module; and

the first means is configured to display the revised user interface screen.

wherein the means for determining includes:

means for reading the one or more profiles upon initialization of the application;

means for processing the one or more profiles;

means for reading and processing a user configuration based on the one or more profiles; and

means for activating a particular profile of the one or more profiles by:

selecting an identification of a particular GUI component,

locating the identification in a mapping table,

checking a state of the particular GUI component,

changing the state if not in agreement with the particular profile of the one or more profiles, and

repeating locating the identification, checking the state of the particular GUI component, comparing the state and changing the state for any remaining additional identifications of additional GUI components.

Claims 34-35: (Cancelled)

Claim 36: (Currently Amended) A method for displaying a user interface, comprising:

starting up a visibility manager;

an application building a data structure representing a user interface including a plurality of interface components;

during the building of the data structure and responsive to the start-up of the visibility manager, the visibility manager selecting one of a plurality of interface profiles, each of the interface profiles indicating for each of a plurality of interface components a respective visibility instruction;

subsequent to the building of the data structure, the application calling the visibility manager;

responsive to the call and prior to any display of the user interface, the visibility manager modifying the data structure in accordance with the visibility instructions of the selected interface profile, the modified data structure representing a modified version of the user interface which does not include all of the plurality of interface components; and the application displaying the modified version of the user interface.

invoking the visibility manager by:
reading the plurality of interface profiles upon initialization of the application,
processing the plurality of interface profiles,
reading and processing a user configuration based on the plurality
of interface profiles, and
activating the selected interface profile by:
selecting an identification of a particular GUI component,
locating the identification in a mapping table,
checking a state of the particular GUI component,
comparing the state to the selected interface profile
changing the state if not in agreement with the selected interface
profile, and
repeating locating the identification, checking the state of the
particular GUI component, comparing the state and changing the state for
any remaining additional identifications of additional GUI components.

Claim 37: The method of claim 36, wherein the starting up of the visibility manager and the building of the data structure by the application are performed in response to a start-up of the application.

Claim 38: The method of claim 36, wherein the selection of the selected interface profile is based on a user type associated with a present use of the application.

Claim 39: The method of claim 36, wherein the selection of the selected interface profile is based on a user configuration file which identifies which of the plurality of interface profiles a user associated with a present use of the application has set as active.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: The prior art of record does not teach the limitations of amended independent claims 1, 9, 17, 25, 33, and 36. Specifically, the prior art of record does not teach prior to any display of the built user interface, revising the built user interface based on the determination of which GUI components are to be set as not visible and activating an applied profile by checking the state of a particular GUI component, comparing the state to the applied profile, and changing the state if not in agreement with the applied profile.

Claim 33 was amended to include hardware components in order to overcome a non-statutory rejection.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Cohen (US 7,127,679);
- b. Cadiz et al. (US 7,185,290);
- c. Stoakley et al. (US 2001/0035881).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OMAR ABDUL-ALI whose telephone number is (571)270-1694. The examiner can normally be reached on Mon-Fri(Alternate Fridays Off) 8:30 - 6:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on 571-272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

OAA
12/08/2008

/Stephen S. Hong/
Supervisory Patent Examiner, Art
Unit 2178

